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REPLY TO: 3430 Evaluations 34.15817 -116.78675 September 4, 1980

SUBJECT: Fomes annosus disease centers in Heartbar Campground

TO: Forest Supervisor, San Bernardino N.F.

A complete pest survey of Heartbar Campground was completed on July 3, 1980 by FIDM personnel. The main objective of the survey was to identify and map areas with dwarf mistletoe and Fomes annosus root disease problems. Survey results and control guidelines for dwarf mistletoe have already been summarized and sent to the Forest and District for use in preparing a suppression project proposal. Included with this memo is a map showing locations of annosus root disease centers.

The root disease situation in Heartbar is serious. Thirty-six separate disease centers were found in the area. Several of the smaller centers appeared to be inactive, with a single, well-decayed stump in the middle of the center and no recent mortality or declining conifers at the margin. Most of the centers, however, are active and will continue to enlarge and kill additional trees.

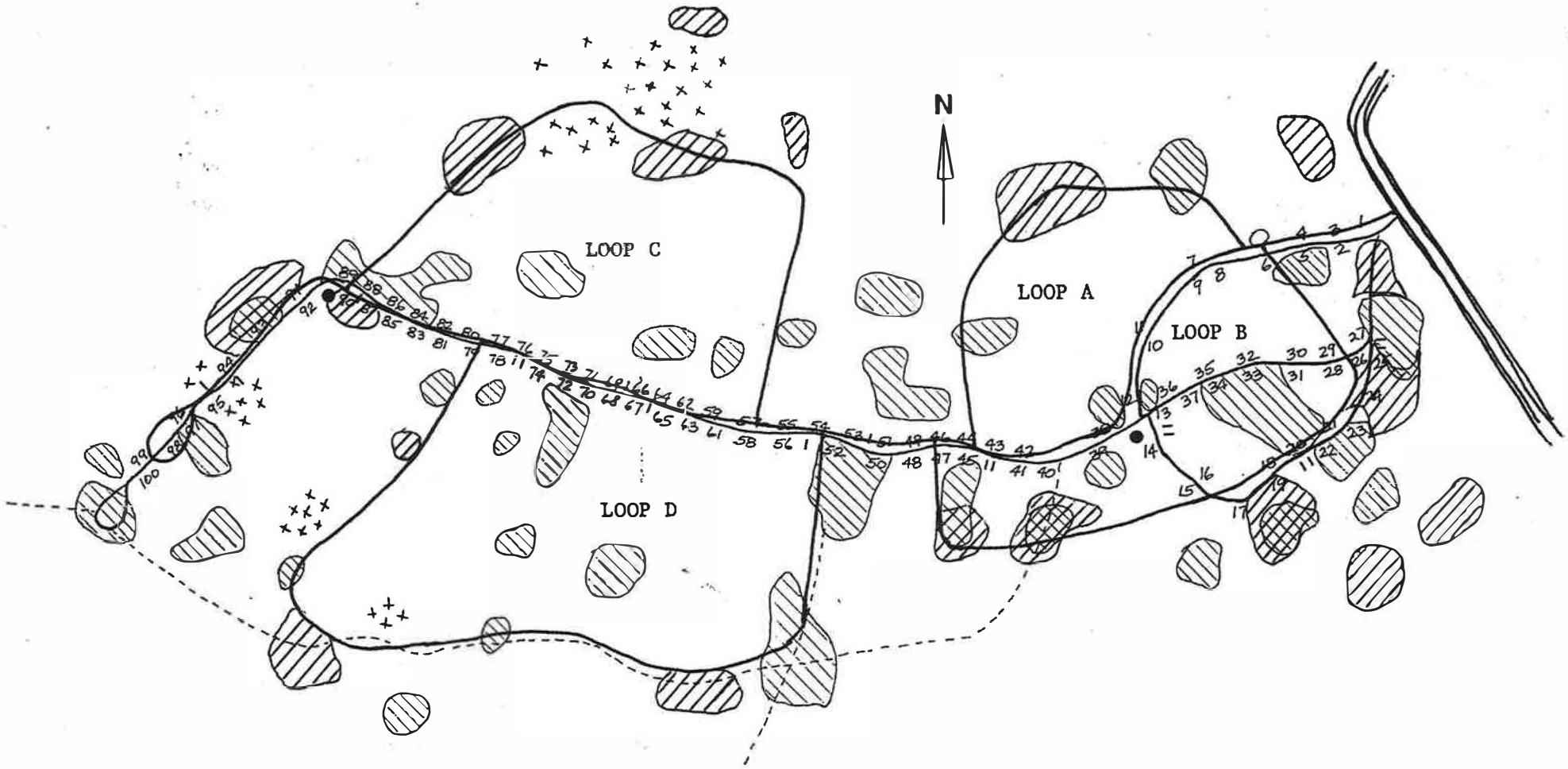
We would like to emphasize the importance of establishing hardwood/oak reproduction in root disease centers. They are the only indigenous trees resistant to F. annosus and they also provide an effective barrier against the spread of dwarf mistletoe. Without a hardwood component, root disease will create larger and larger openings with brush as the only vegetation.

Enclosed is a copy of the original Heartbar biological evaluation which describes general observations and management considerations. For more detail on pest biology and corresponding control options refer to a recent FIDM evaluation for San Gorgonio and Barton Flats Campgrounds dated August 14, 1980 (3430) or contact the FIDM Staff.

Richard A. Smith

for WILFRED L. FREEMAN, JR., Director
Forest Insect and Disease Management

Enclosure



HEART BAR CAMPGROUND - SAN BERNARDINO NATIONAL FOREST

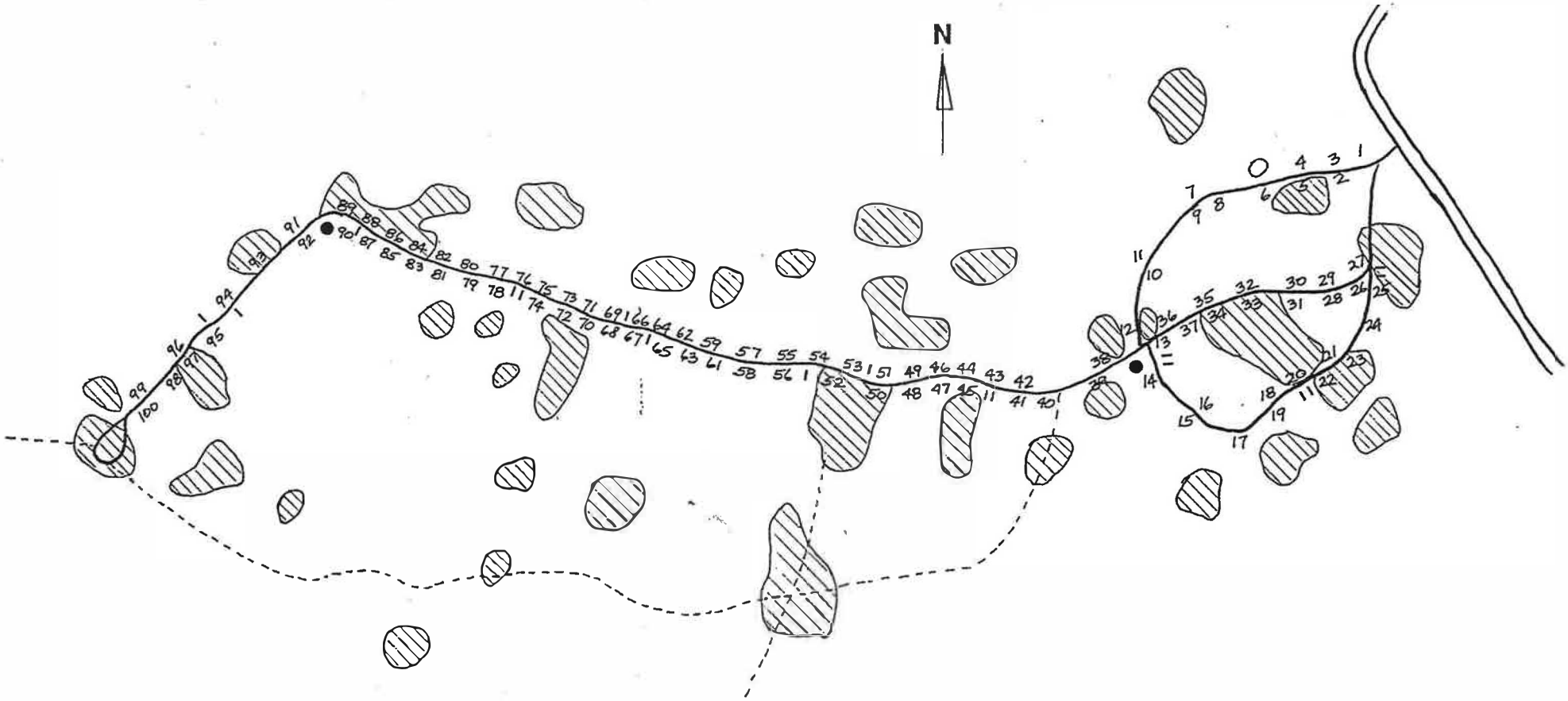
= FOMES ANNOSUS DISEASE CENTER

Annosus root diseases centers, 1987

Dwarf mistletoe

August, 1980

1987 PROPOSED REDESIGN OF
HEART BAR CAMPGROUND



HEART BAR CAMPGROUND - San Bernardino National Forest

= Fomes annosus disease center

August, 1980